

CLAIMS

1. A plansifter for separating products resulting from milling cereals, comprising a plurality of vertically arranged compartments, a plurality of sieves stacked inside each said compartment, a member having rotating masses in order to keep said plurality of compartments and thus said plurality of sieves vibrating, and flexible suspension members to allow vibration, wherein said plurality of compartments have a binary layout forming compartments symmetrical and aligned with respect to said centrally-placed rotating mass member; said binary layout being chosen between four symmetrical pairs of compartments and six symmetrical pairs of compartments.
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- 10 2. The plansifter according to claim 1, wherein each pair forms, in plan view, a rectangle with a long side and a short side, the long sides of all the rectangles of all of said pairs being parallel.
- 15 3. The plansifter according to claim 2, wherein said rotating mass assembly is arranged in a central frame that forms, in plan view, a rectangle, the long side of which is parallel to said long sides of said rectangles of said pairs.
- 20 4. The plansifter according to claim 1, having a modular configuration and comprising: a central frame, which contains said rotating mass assembly, a mechanical connection means for connecting two pairs of central compartments to said central frame and optionally, as required, two or four pairs of lateral compartments to be connected to said two pairs of central compartments.
5. The plansifter according to claim 4, wherein said suspension assemblies are connected to said compartments, so that the number of suspension assemblies is variable according to the number of installed compartments.
- 25 6. The plansifter according to claim 4, wherein the rotating mass assembly has a rotation axis that lies substantially on the plane that connects the two compartments that form each pair.